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CHRYSANTHEMUMS



MARY E. MEYER

1913

Elmer D. Smith & Company

ADRIAN MICH. U.S.A.

To Our Patrons

In presenting our Catalogue for 1913, we wish to call your attention to the unusual strong collection of Novelties, which we consider the best ever offered in this country. In the general list we have included all the best, and as the arrangement is so comprehensive, the selection of varieties suitable for the required purpose will be very simple. We shall be in better position than ever before to serve our customers with first-class stock true to name. Thanking you for past favors and soliciting your continued patronage, we are,

Yours respectfully,

Elmer D. Smith & Co.

Terms of Sale

 **IMPORTANT—READ CAREFULLY BEFORE ORDERING.**

QUOTATIONS.—The prices quoted are as **low** as can be made for **strictly first-class stock**. This list cancels all previous quotations and is **good until May 1st**, after which date Prices for Summer Planting will prevail.

QUALITY —We do not **ship** large, soft plants, but **short, sturdy stock from cold houses**, which quickly respond to any ordinary treatment.

NO GUARANTEE.—While we exercise the utmost care in executing all orders, to keep our stock true to name, we give **no warranty, Expressed or Implied**, and **Cannot Guarantee or be in any way responsible for the Crop**, either as to variety or product. Should **Errors** occur, do not fail to **report at once**.

FILLING ORDERS.—All Orders are **Filled in Strict Rotation**, carefully labeled, lightly and securely packed and delivered to the carriers in good condition, free of charge. In case **Stock** of certain varieties is **exhausted**, we **reserve the right to decline the order**. To partially avoid such action, **Place Your Order Early**, so that plants may be set aside or cuttings propagated. **Assist in prompt delivery by using Order Sheet**.

TERMS.—Orders from **Unknown Parties** must **Always be accompanied by Remittance** or Satisfactory Reference from Trade Firms or Local Banks. We allow **5% Discount** where **Remittance Accompanies the Order**. **Register all Letters containing CASH**. All Accounts are **Due and Subject to Draft in 60 Days**, unless Otherwise agreed upon. We **insist on One-Quarter** of the Amount to Accompany the Order when shipped **C. O. D.**

In All Cases the Foregoing Terms will be Strictly Adhered to.

SHIPPING FACILITIES.—All Plants are **shipped by Express**, unless otherwise instructed. We guarantee safe arrival. For Safe and Quick Delivery, we recommend this method. In case of **Damage or Losses**, Remove our Improved Shipping Tag, return with Agent's Receipt, and we will enter claim for damages. We always add a liberal number of extras to help defray the Express Charges.

WE GUARANTEE ALL SHIPMENTS TO BE FORWARDED AT THE SPECIAL PLANT RATE, WHICH IS **20% LESS THAN MERCHANDISE**.

Mail shipments are practical only with small orders. We forward by Mail, Post Prepaid.

Notice to Pacific Coast and Extreme Western Growers:

We are pleased to inform you that there is in force a **low prepaid Express Rate** to the following states: **BRITISH COLUMBIA, WASHINGTON, OREGON, CALIFORNIA, NEVADA, ARIZONA** and **MOST POINTS IN IDAHO**. This Rate is **8 Cents per Pound PREPAID**; no Limit to Weight, provided the value is **less than \$10 00**.

We will Prepay, if Amount is Advanced, at the rate of **\$1.50 for every 100 2½ in. Pot Plants**. There will be a slight Variation, according to Weather Conditions and Size of Plants. **Will Return or Bill all Differences.**

While we exercise the utmost care in executing all orders to keep our stock full of goods, we give no warranties, express or implied, and cannot guarantee or be in any way responsible for the crop, either of any variety of product. If not accepted on these terms, return goods at once. E. D. S. & Co.

Successors to
Nathan Smith
& Son.

Adrian, Mich.

DO NOT WRITE IN THIS SPACE

Post Office

Express Office (If different from Post Office.)

County: _____ State: _____

	Amount	M. O. Check	Cash	Discount (if taken)
Date	Enclosed		Stamps	

Amount Carried Forward

This Order is sent direct to Shipping Department.
Inquiries must be Placed on Separate Sheet to Insure Prompt Reply.

New American Chrysanthemums for 1913

Originated by Elmer D. Smith & Co.

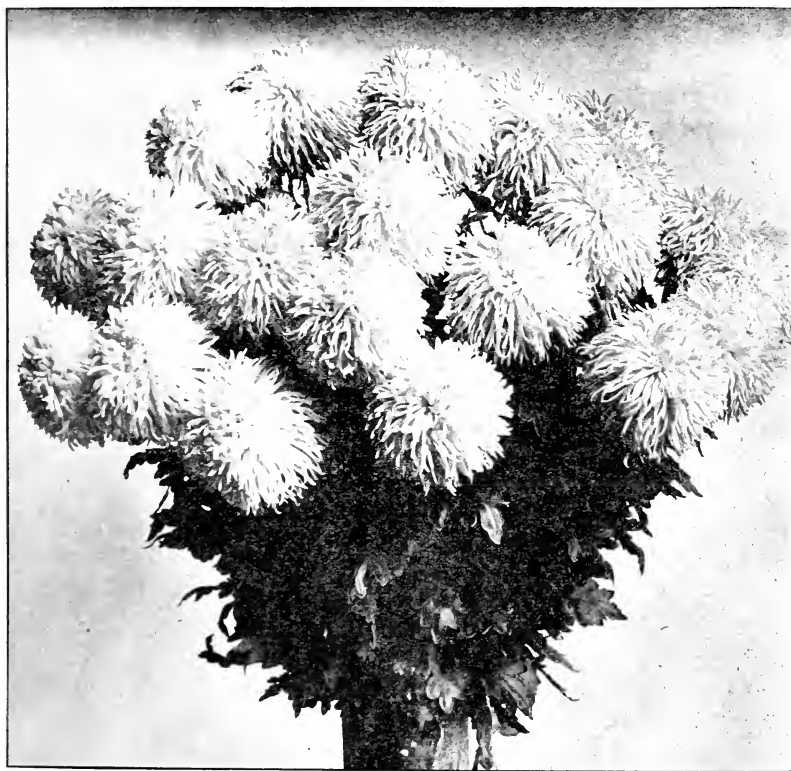
Commercial Varieties

It is with pleasure we present to the trade the following Novelties, four of which have been certificated by the Chrysanthemum Society of America, and we are certain the merits of Nakota will sustain our prestige.

We feel confident that those interested in commercial varieties cannot fail to appreciate their value, and are aware no other collection offered this year possesses so high a standard of excellence.

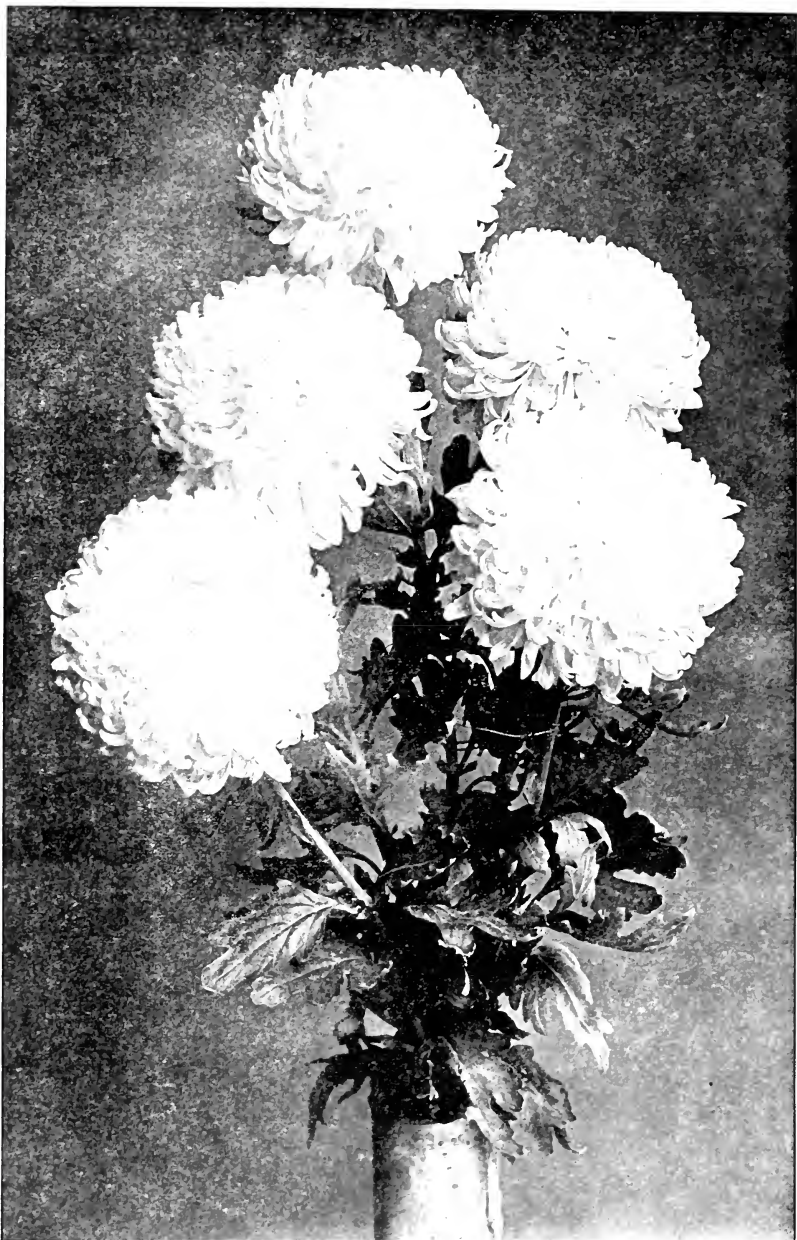
Delivery in strict rotation from January to March.

QUANTITY.—Five plants of a kind at ten, twenty-five at hundred rate.



Golden Robin.—An improved Golden Age, being easier of propagation and equally bright in color, even brighter than Golden Wedding. In the hands of the experts we predict it will become very popular as a specimen plant, and the commercial grower is assured of serviceable blooms when grown with one or several to the plant. In perfection November 10th. Best bud August 25th. *C.S.A. certificate.*

PRICE.—50c each; \$4 per ten; \$35 per hundred.



Lucile Quinlan.—In color bright yellow, same as Col. D. Appleton, but in form is not so closely incurved, although decidedly globular. Shows no trace of bronze from late buds. Strong, vigorous grower. Its size makes it suitable for exhibition as well as commercial use. Ready to cut October 30th. Best bud August 25th. *C. S. A. certificate.*

PRICE.—50c each; \$4 per ten; \$35 per hundred.

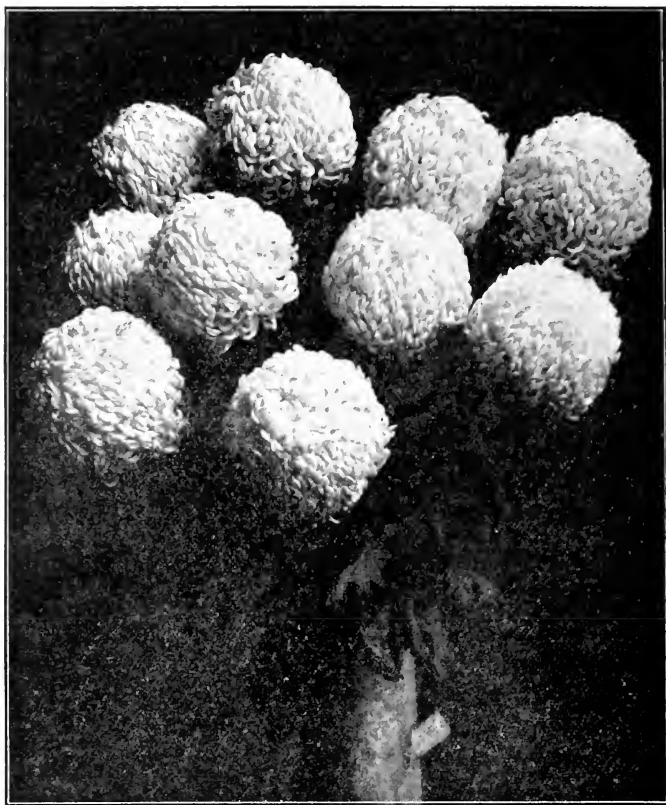


Nakota.—A very large Japanese incurved. Color orange buff. From buds selected last of August the petals assume a whorled form, much the same as M. Loiseau-Rousseau, and owing to the large size will be a rival at next year's shows in the dark yellow classes. Stem and foliage perfect and a vigorous grower. In season November 1st to 10th. Best bud August 30th.

PRICE.—50c each; \$4 per ten; \$35 per hundred.

NOVELTIES FROM OTHER DEALERS

For want of space we have omitted the novelties offered by other raisers, but we can supply all of them at the same price as that of the introducer.



White Perfection.—Purest white, high rounded incurved and double under all conditions. Fine stem and foliage and easy to do. Having the misfortune to lose most of our stock of this variety, we were unable to disseminate it last year. Best bud September 5th to 10th. *C. S. A. certificate.*

PRICE.—50c each; \$4 per ten; \$35 per hundred.

Mary E. Meyer.—A Japanese of medium size ($6\frac{1}{2}$ inches) and especially adapted to commercial use. Short jointed growth, with ample foliage extending up to the bloom. Color purest paper white. Keeps well on the plant or when cut. In perfection November 1st to 15th. Height 3 ft. Best bud August 25th. *C. S. A. certificate.* (See cut front cover.)

PRICE.—50c each; \$4 per ten; \$35 per hundred.

All quotations given are for strong plants from $2\frac{1}{4}$ in. pots, unless otherwise specified. These are forwarded by express unless we have explicit instructions to ship otherwise, or in case of small orders, when mail would be most practical.

Exhibition Collection

It is but a few years since we turned our attention to the production of high-grade varieties suitable for exhibition purposes. We find our efforts are being appreciated, owing to the increasing demand each year.

With great pride we offer the following four varieties, which we are confident have no rivals among the new offerings for the year.

With us the earliest buds do not succeed, so growers in more favored localities are safe in retaining them five to ten days earlier than dates here given.

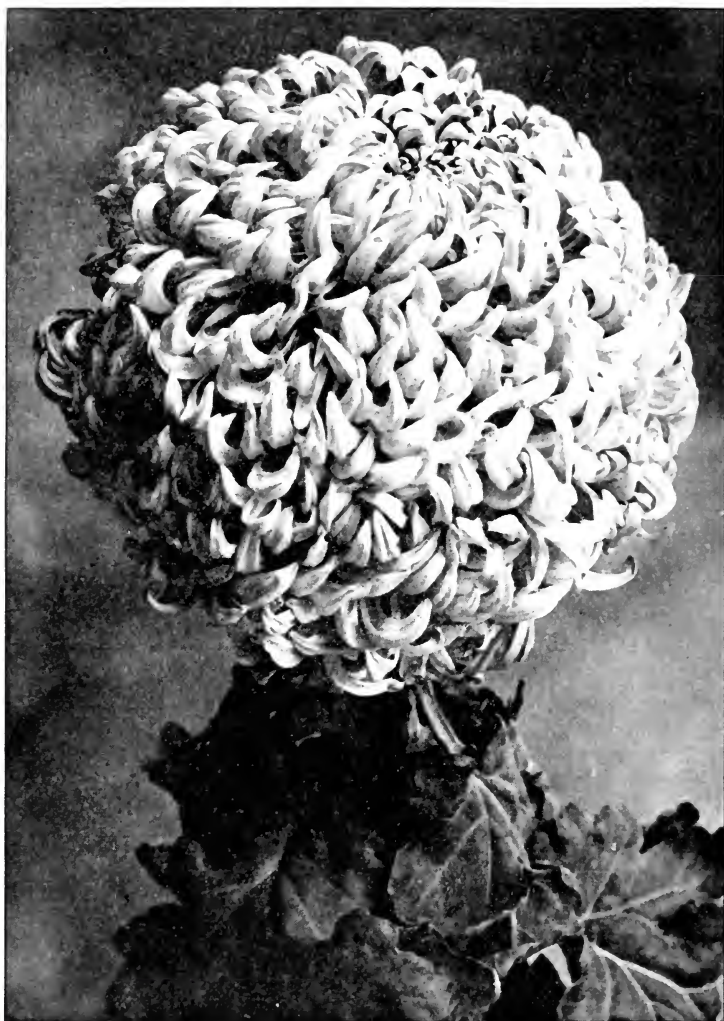
Distribution in strict rotation beginning in January.

QUANTITY.—Five plants of a kind at ten rate.



Yonkers.—A yellow Japanese nearest to Yellow Miller in color, and is equal in size. Strong, sturdy stem with foliage close to the bloom. Adapted for commercial and exhibition use. Best bud August 15th. *C. S. A. certificate.*

PRICE.—\$1 each; \$8 per ten.



Elberon.—An exceptionally large Japanese incurved 9 inches and 8 inches deep of the M. Loiseau-Rousseau type, and similar in color, but showing less contrast between the upper and under surface of the petals, presents a more pleasing shade of pink. Very strong grower with rigid stem, and foliage close to the bloom. Ready October 15th. Unsurpassed as an exhibition sort either for collection or vases. Best bud August 25th. *C. S. A. certificate*. Also awarded silver cup at St. Paul and Cleveland as a sweepstake prize for best seedling.

PRICE.—\$1.50 each; \$12.50 per ten.

In 1890 we sent out our first seedling Chrysanthemum, and each subsequent year our Novelties have taken a prominent place in the world's product.



Mount Kisco.—A loosely incurved Japanese, creamy white in color. From early buds (August 15th) very large blooms are the result and the early September buds produce high-grade commercial stock. Strong, heavy stem with foliage close to the bloom. *C. S. A. certificate.*

PRICE.—\$1 each; \$8 per ten.

Remember we allow 5 per cent. discount for cash with order.



Madison.—Cream white, sometimes suffused or penciled with pink. In form it resembles Rose Pockett, which it equals in size. Owing to weak stem is only suitable for collections where short stems suffice or for vases where artificial supports are permissible. Best bud August 15th. Strong, robust grower.

PRICE.—\$1 each; \$8 per ten.

Customers who have not established a credit with us must send CASH with order. Those desiring to open an account will confer a favor by furnishing a BANK reference or mentioning firms from whom they have purchased on time. We make no shipments to unknown customers.

New Anemones

Laurita.—Being of dwarf habit is especially adapted to pot culture, making very fine plants of medium size and compact, being very free is also useful grown to sprays. Ray florets quilled nearly their entire length, and the small cushion center the same color, bright yellow. In season Nov. 1st. See cut back cover.

PRICE.—25c each; \$2.00 per ten.

Diantha.—This, like the preceding, is admirably adapted to either pot or bench culture. Single row of white guard petals with a high round cream-colored cushion.

PRICE.—25c each; \$2.00 per ten.



New Singles

The following originated at South Park, Buffalo, with the exception of the first and last mentioned, which are our products. With the exception of Blazing Star, they are all dwarf, making fine pot plants for any purpose.

Tasso.—Early, ready Oct. 10th; very dwarf and free, forming very symmetrical plants 12 in. high. Color, delicate pink changing to white.

PRICE.—25c each; \$2.00 per ten.

Allegheny.—A beautiful light pink, very similar in color to Ladysmith, which it will supercede. Very free, flowering about Oct. 20th.

PRICE.—25c each; \$2.00 per ten.

Ulster.—A bright claret color with large bold flowers very freely produced about Oct. 20th.

PRICE.—25c each; \$2.00 per ten.

Celtic.—Rose pink, large flower and free. Ready Nov. 1st.

PRICE.—25c each; \$2.00 per ten.

Blazing Star.—This is not as dwarf as the foregoing, and is best adapted to grow on benches for sprays. An improved Hilda Wells, which it resembles in form, but the color instead of dull red is the brightest and richest shade of crimson imaginable. Those desiring a good single red should not fail to give this a trial.

PRICE.—25c each; \$2.00 per ten.

Mrs. Bartlett E. Hayward.—(*Lotze*.) A fine bright pink, coming ten days later than Unaka, similar in color and of the best Japanese incurved type, maturing Oct. 20th. Dwarf habit, fine stem and foliage. Best bud Aug. 25th. *C. S. A. certificate.*

PRICE.—40c each; \$3 per ten; \$25 per hundred.

Remember there are no other novelties offered this season so meritorious as those described on the foregoing pages.

Commercial Section

In arranging this collection, we have mentioned those which are suitable for the commercial grower. Those offered possess commercial qualities in style of growth and are easy to manage. Most of them produce good flowers from late buds. We have also endeavored to give the height of each variety, the best date to reserve bud, also date when fully matured. In giving the height, it must be considered only approximate, as it is impossible to be exact, as much depends upon the size of the plants at planting time and the conditions maintained thereafter. We have ignored the terms "Crown" and "Terminal" entirely, believing it immaterial and useless for the grower to burden his mind with such complicated matters. What he wants to know is, the date that gives the best results.

Early Varieties

To secure early flowers, it is of the utmost importance they be planted early. Good strong plants from 3 in. pots, benchd in May, give very satisfactory results, and our estimated heights given these varieties are based on such stock planted at that date. In case the buds are not formed at the date stated, reserve the first that appears thereafter. All the varieties mentioned will mature flowers prior to November 1st, but to be more explicit as to their flowering season, we have indicated those which mature from the latter part of September to the 15th of October with an (E); those coming from October 10th to 25th with an (M); those from October 20th to November 1st with an (L).

PRICE.—5c each; 40c per ten; \$3.00 per hundred, except where otherwise quoted.
QUANTITY.—Not less than 5 OF A KIND at ten, 25 at hundred rate.

Height	Bud	Mature	
4	8/30	L	Chas. Razer. —A pure white of special merit.
4	8/20	M	Chrysolora. —(<i>Introduced by us 1911.</i>) The best yellow for early October. Fine incurved form with perfect stem and foliage up to the bloom. 10c each; 80c per ten; \$5.00 per hundred.
5½	8/20	L	Clementine Touse. —A very good white; slightly tinted pink from late buds.
2½	8/20	E	Comoleta. —(<i>Introduced by us 1907.</i>) From early buds in perfection Oct. 15th; color, bright yellow. Fine for pot culture. Dwarf. 10c each; 60c per ten; \$4.00 per hundred.
3	8/25	L	Donatello. —(<i>Introduced by us 1910.</i>) Bright yellow, ball shaped, of great substance; fine foliage with very wiry stem. 10c each; 60c per ten; \$4.00 per hundred.
3½	8/20	M	Early Snow. —A pure white, improved Polly Rose.
2½	8/25	M	Fleuve Dore. —(<i>New 1912.</i>) Stiff stem, with a full flower of brilliant brassy orange yellow; center in spiral form. 15c each; \$1.20 per ten; \$10.00 per hundred.
3½	8/25	M	Gloria. —(<i>Introduced by us 1909.</i>) A beautiful light pink, stem and foliage excellent.
3	8/20	M	Glory of Pacific. —A good shade of pink when in color.
3½	7/10	E	Golden Glow. —(<i>Introduced by us 1908.</i>) Bright yellow, good stem and foliage. Blooms may be had from Aug. 15 to Oct. 20, if planted in succession and first bud secured.
2½	8/20	L	Ivory. —This variety is not as large as some, still it is a good commercial white. Good stem. Dwarf.
3½	8/15	E	J. K. Shaw. —A beautiful light rose, globular bloom.
3	8/25	M	Mme. Corday. —(<i>New 1912.</i>) Color, rose pink, much deeper at base of petals; the form of the flower shows the color to best advantage. 15c each; \$1.20 per ten; \$10.00 per hundred.
3	8/20	M	Mlle. Arlette Dubois. —A white Japanese Incurved. Very similar to Virginia Poehlmann. Considered an improvement by some. 10c each; 60c per ten; \$4.00 per hundred.
4	7/20	E	Monrovia. —(<i>Introduced by us 1900.</i>) One of the best early yellows, easy to grow, fine stem and foliage. Early buds should be secured.
4	7/20	M	October Frost. —(<i>Introduced by us 1906.</i>) This variety requires early planting and early bud. If the early buds are not taken, the growth is tall and the flowers come with open centers. Pure white.
3½	8/20	M	Pacific Supreme. —(<i>Introduced by us 1908.</i>) Pink, intermediate between Pacific and Wm. Duckham, and is sufficiently permanent to admit of full development without the bloom fading.

ROOTED CUTTINGS.—Those interested in Rooted Cuttings will find a complete list of Commercial sorts on Page 25. The prices quoted are for early delivery, and will probably prevail until May 1st, when they will be revised and reduced where the stock and demand will permit.

Height	Bud	Mature	
2½	8/20	L	Pink Ivory. —A pink sport from Ivory, and for best color should be grown with abundance of air, and avoid early buds.
2	8/20	L	Polly Rose. —(<i>Estelle.</i>) White sport from Glory of Pacific. Extra good.
5	8/20	L	Robert Halliday. —Large light yellow Japanese; good growth.
3½	8/15	E	Roserle. —(<i>Introduced by us 1906.</i>) One of the best early pinks, being a clear, bright color.
3½	7/5	E	Smith's Advance. —(<i>Introduced by us 1911.</i>) The earliest large flowering white. Can be had from July onward according to date of planting and selecting buds. Being more dwarf and flowers more double than October Frost, it is a decided improvement on that variety.
4	8/5	E	Unaka. —(<i>Introduced by us 1911.</i>) Being a strong grower with perfect stem and foliage, a fine incurved bloom of a pleasing shade of pink, and maturing the first week of October, places it foremost among the early pinks. 10c each; 60c per ten; \$4.00 per hundred.



Chrysolora



Unaka



Smith's Advance



Pacific Supreme



Comoleta



Donatello

3	8/20	M	Virginia Poehlmann. —A pure white Japanese incurved Dwarf. Owing to slowness of propagation, young stock will not be delivered before March 15th. 10c each; 60c per ten; \$4.00 per hundred.
3½	8/25	M	White Gloria. —(<i>Introduced by us 1912.</i>) A sport from Gloria, identical in every particular except color, which is white with a slightly creamy cast. 15c each; \$1.20 per ten; \$10.00 per hundred.
2½	8/20	L	Yellow Ivory. —A bright yellow sport from Ivory.
4	7/20	M	Yellow October Frost. —A yellow sport of the popular early white, identical with it in every way except color.
5½	8/20	L	Yellow Touse. —Light yellow sport from Clementine Touse. 10c each; 80c per ten; \$5.00 per hundred.

The past season we submitted to the Chrysanthemum Society's committee seven seedlings and were awarded seven first-class certificates, the strongest endorsement that can be given new varieties, as these findings are the opinions of expert judges.

Mid-Season Varieties

In giving height of mid-season varieties we have based our estimate on good strong plants benched June 15th. In favorable seasons some of the varieties will perfect blooms a few days before November 1st, and as climatic conditions have much to do with flowering season, the figures given must not be considered infallible. Those which flower from October 25th to November 5th are indicated by (E); from November 1st to 10th by (M); after November 10th by (L).

PRICE.—5c each; 40c per ten; \$3.00 per hundred, except where otherwise quoted.
QUANTITY.—Not less than 5 OF A KIND at ten, 25 at hundred rate.



Dick Witterstaetter



Pink Gem



Roman Gold



Aesthetic



Nontero



Ramapo

Height Bud Mature

3½ 8/15 M

Aesthetic.—(*Introduced by us 1912.*) The petals closely incurve, and are so arranged as to form distinct tiers of puffs or rolls rather than the regular contour usually seen in the incurved section. An exquisite shade of delicate primrose. 50c each; \$4.00 per ten; \$35.00 per hundred.

4 9/5 L

Antique.—(*New 1912.*) A deep bronze sport of Dr. Enguehard, a duplicate of Enguehard in all respects save color. 25c each; \$2.00 per ten; \$15.00 per hundred.

5 9/15 M

Col. D. Appleton.—Still one of the best yellows for commercial and exhibition use.

5 8/20 E

Crocus.—(*Introduced by us 1906.*) A pleasing shade of light yellow, fine stem and foliage, at its best the last days of October.

2½ 8/25 M

Aug. Dasse.—(*New 1912.*) Very solid flower of excellent keeping qualities, globular in form; color, intense yellow. 15c each; \$1.20 per ten; \$10.00 per hundred.

4 8/25 M

Dick Witterstaetter.—(*Introduced by us 1911.*) A beautiful shade of bright crimson, blooms reflex and show the crimson to best advantage. Should be planted not later than June 15th to secure bud Aug. 25th for best results. 10c each; 80c per ten; \$5.00 per hundred.

3½ 8/20 L

Dolly Dimple.—A fine large, well-built yellow variety; strong grower with good foliage 10c each; 60c per ten; \$4.00 per hundred.

4 9/5 L

Dr. Enguehard.—Bright rose pink, double from either bud; while those from late buds are somewhat smaller, they are greatly improved in color.

Smith's Chrysanthemum Manual leads to success. Price, 50c postpaid. See Page 26.

Height	Bud	Mature	
3	S/30	L	Elise Papworth. —Of the purest white, very full and large, with good substance. Stem and foliage leave nothing to be desired. 10c each; 60c per ten; \$4.00 per hundred.
3	9/5	M	Emberta. —An incurved pure white of dwarf habit. 10c each; 80c per ten; \$5.00 per hundred.
3½	S/25	E	George W. Childs. —Bright crimson, good for early bloom or bush plant. 10c each; 60c per ten; \$4.00 per hundred.
4	9/15	L	Golden Eagle. —A very intense yellow, wide petals, incurved form, one of the finest. 10c each; 60c per ten; \$4.00 per hundred.
5	9/10	L	Golden Wedding. —Loosely incurved, bright yellow. 10c each; 60c per ten; \$4.00 per hundred.
3	S/30	M	Lynnwood Hall. —Japanese incurved of perfect form, pure white, stiff stem and good foliage. 10c each; 60c per ten; \$4.00 per hundred.
5	9/15	M	Mrs. W. E. Kelley. —(Introduced by us 1909.) A bright yellow Japanese, with fine stem and foliage. 10c each; 60c per ten; \$4.00 per hundred.
3½	S/25	E	Mrs. H. Robinson. —Incurved white, good for single stem pot plants.
3½	9/10	M	Major Bonnafion. —A fine yellow, easy of cultivation and incurved form.
4	9/10	L	Mayor Weaver. —(Introduced by us 1906.) A bright, pleasing pink, medium size, in perfection second week in November, may be had for Thanksgiving by taking a late bud.
4	9/10	L	Nontero. —(Introduced by us 1912.) Loosely incurved white, perfect stem and foliage. 15c each; \$1.20 per ten; \$10.00 per hundred.
2½	S/25	L	Patty. —A beautiful Enchantress pink Japanese; dwarf. This is very fine both in color and habit; does not fade. 10c each; 60c per ten; \$4.00 per hundred.
4	9/5	E	Pink Gem. —(Introduced by us 1912.) A pleasing shade of light pink, perfect form, ideal stem and foliage, and wonderful substance. 15c each; \$1.20 per ten; \$10.00 per hundred.
3	9/5	M	Pres. Roosevelt. —(Introduced by us 1906.) Very short jointed, requires early planting to secure long stems; beautiful incurved form, stem and foliage ample. Blush, with darker center petals. 10c each; 60c per ten; \$4.00 per hundred.
4½	S/30	E	Pres. Taft. —(Introduced by us 1909.) Japanese incurved, petals of the purest white, which closely incurve; stem and foliage good. 10c each; 60c per ten; \$4.00 per hundred.
4	S/20	E	Ramapo. —(New 1912.) Color of Col. D. Appleton, splendid foliage up to the bloom, does not show the raised center as Appleton. A first-class yellow. 25c each; \$2.00 per ten; \$15.00 per hundred.
4	S/25	M	Roman Gold. —(Introduced by us 1911.) A very intense yellow, maturing November 1st to 10th. Perfect stem and foliage, easy to manage. From late buds they show the bronzy tints in the depths of petals, but this rather adds to their beauty. 10c each; 60c per ten; \$4.00 per hundred.
4	8/25	M	Souv. De Maurice Daffe. —(New 1912.) Fine lavender pink, globular form, nicely incurved; stem and foliage good; large enough for exhibitions. 15c each; \$1.20 per ten; \$10.00 per hundred.
4	8/30	M	Hirondelle. —(New 1912.) A large incurving variety with splendid stem and foliage, easy to manage. The color brightens as it matures into rosy lavender. 15c each; \$1.20 per ten; \$10.00 per hundred.
4	9/5	M	Tim Eaton. —Large incurved white Japanese. 10c each; 60c per ten; \$4 per hundred.
5	9/10	M	Viviani Morel. —Large reflexed pink.
4½	S/15	E	White Cloud. —(Introduced by us 1908.) A very large pure white, rather loose bloom, creamy center, good stem and foliage.
4	9/5	M	Yellow Eaton. —Large incurved sport from Tim Eaton. 10c each; 60c per ten; \$4.00 per hundred.

Late Varieties

Some of the late varieties mentioned will perfect flowers by November 10th, if early buds are secured and the season is favorable. This would include such kinds as Mrs. Jones and its sports, Helen Frick and the several Chadwicks. On the other hand they may be retarded by late planting and securing late buds. We have used the same letters to indicate the Early, Intermediate and Late.

PRICE.—5c each; 40c per ten; \$3.00 per hundred, except where otherwise quoted.
QUANTITY.—Not less than 5 OF A KIND at ten, 25 at hundred rates.

Height	Bud	Mature	
5	9/5	L	Adonis. —(Introduced by us 1910.) We find this variety is best adapted for commercial use, being too late for exhibitions. An exquisite shade of pink, and double from late bud. 10c each; 80c per ten; \$5.00 per hundred.
5	9/15	M	Chadwick Improved. —(Introduced by us 1909.) A pure white sport from W. H. Chadwick. Japanese incurved. 10c each; 80c per ten; \$5.00 per hundred.
4	9/15	M	Chadwick Supreme. —In color, bright Pink; in form, reflexed; of Viviani Morel type, and in habit it is a duplicate of W. H. Chadwick, the variety from which it is a sport. 10c each; 80c per ten; \$5.00 per hundred.
3½	9/25	L	December Gem. —(Introduced by us 1911.) This variety blooms from the last of November to the middle of December, according to date of buds. White, with a slight pink tinge. Ball-shaped. Very stiff, wiry stem. 10c each; 80c per ten; \$5.00 per hundred.
5	9/15	M	Golden Chadwick. —Yellow sport from W. H. Chadwick. By planting late may be had for Thanksgiving or later. 10c each; 60c per ten; \$4.00 per hundred.
5	9/30	L	Harvard. —(Introduced by us 1912.) Japanese reflexed; very dark crimson. In perfection November 15th and later. The best red yet introduced; double from any bud. 15c each; \$1.20 per ten; \$10.00 per hundred.

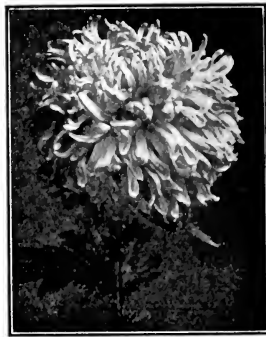
Height	Bud	Mature	
3	9/10	L	Helen Frick. —(<i>Introduced by us 1905.</i>) A fine late dark pink Japanese incurved; stem and foliage good.
4	9/10	E	Intensity. —(<i>Introduced by us 1900.</i>) Reflexed bright crimson, a good late red. 10c each; 60c per ten; \$4.00 per hundred.
3	9/30	L	John Burton. —(<i>Introduced by us 1904.</i>) Incurved delicate pink. Should be planted June 20th and grown strong.
4	10/5	L	Jeanne Nonin. —Another fine late white, with large incurved blooms. The early buds give rather coarse flowers, and to our mind not as fine in form as from later buds.
3½	9/10	M	Maud Dean. —Incurved bright pink, with fine stem and foliage.
3½	9/15	E	Mrs. J. Jones. —Incurved white, still a favorite.
4½	9/20	M	Nagoya. —(<i>Introduced by us 1899.</i>) Bright yellow Japanese, sturdy growth, fine. 10c each; 60c per ten; \$4.00 per hundred.
4	9/10	L	Thanksgiving Queen. —(<i>Introduced by us 1911.</i>) Very large creamy white and comes just right for Thanksgiving. Strong stem, and so upright and sturdy in growth as scarcely to require tying. 10c each; 80c per ten; \$5.00 per hundred.



Adonis



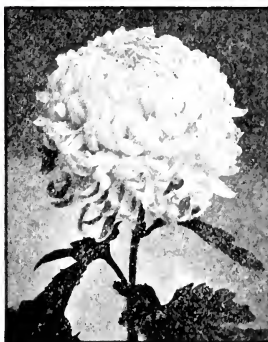
December Gem



Nagoya



Helen Frick




John Burton



Harvard

4	10/5	L	Venetta. —(<i>Introduced by us 1906.</i>) A late pure white of special merit. May be briefly described as a double Mrs. Jones.
3	9/20	M	White Bonnaillon. —(<i>Introduced by us 1900.</i>) Incurved white, still grown in quantity.
5	9/15	M	W. H. Chadwick. —Large incurved white, sometimes shaded pink 10c each; 60c per ten; \$4.00 per hundred.
3	9/10	L	White Helen Frick. —(<i>Introduced by us 1910.</i>) A very desirable late white, coming for Thanksgiving and later. Dwarf habit.
3	9/25	L	Yanoma. —(<i>Introduced by us 1896.</i>) A fine late white, deep reflexed bloom, with good stem and foliage.
3	9/15	E	Yellow Mrs. Jones. —Yellow sport from Mrs. Jones.

 In addition to the foregoing, the following sorts may be used for this purpose. Much depends upon the conditions under which they are grown, and the price received in determining their adaptability to commercial use. At all events an early bud must be secured, otherwise most of them will produce flowers with open centers:

Cheltoni, Glen Cove, Glenview, Miss Clay Frick, Mrs. O. H. Kahn, Manhattan, Mrs. J. C. Neill, Nellie Pockett, Naomah, Pockett's Crimson, Smith's Sensation, Wm. Duckham and Yellow Miller.

Those desiring the benefit of our experience in making a selection can rely on our judgment entirely. Please advise us as to the purpose for which they are intended.

Exhibition Varieties

In selecting the most suitable for exhibition purposes, we have given size and finish first consideration.

We are aware some of the best blooms are produced from buds taken August 5th, but throughout the middle west buds of most varieties, taken prior to August 15th, suffer from excessive heat and lack of moisture, and for this reason we secure our best results from those taken August 15th to 30th. Each grower must be governed by the conditions in his immediate locality, and may find it advantageous to take them earlier than dates given.

In determining the height, those which do not exceed 4 ft. are designated as Dwarf; those which do not exceed 6 ft. as Semi-Dwarf; and those growing taller as Tall. These deductions are only approximate and from stock propagated in February.

QUANTITY.—Owing to the fact that exhibition varieties are purchased in very limited numbers, we do not offer by the hundred, but will be pleased to quote a Special Price to those desiring 25 plants or more OF A KIND.

Best Bud

- 8/15 **Annie L. Angus.**—(*New 1912.*) Described as an exact duplicate of the old Mme. Carnot, save that it is much stronger in growth and not affected by disease. Large size, stem rather weak, but fine for the collection classes. Purest white; semi-dwarf. 50c each; \$4.00 per ten.
- 8/5 **Alice Lemon.**—A soft shade of pink and of the largest size. Very early bud is imperative, otherwise it is single. Dwarf. 15c each; \$1.20 per ten.
- 8/20 **Artistic Queen.**—(*Introduced by us 1912.*) The blooms are loosely incurved, of the largest size, resting upon heavy foliage and supported by a very rigid stem. Color, a light rose pink, similar to Wm. Duckham, when seen at its best. Dwarf. 25c each; \$2.00 per ten.
- 8/10 **Ben Wells.**—One of the largest exhibition whites. Dwarf. 10c each; 60c per ten.
- 8/25 **Black Hawk.**—Dark crimson scarlet, exceptionally fine color. Semi-dwarf. 10c each; 60c per ten.
- 8/15 **Brighthurst.**—(*Introduced by us 1903.*) Pink, slightly shading to cream. Semi-dwarf. 10c each; 60c per ten.
- 8/15 **Bronze Brighthurst.**—(*New 1912.*) A bronze colored sport of the old favorite Brighthurst. It is the exact duplicate of its parent in stem, foliage and every respect except color. Semi-dwarf. 15c each; \$1.20 per ten.
- Brutus.**—Beautiful shade of bronze, most useful as a specimen plant. Dwarf. 10c each; 60c per ten.
- 8/10 **Cheltoni.**—A yellow sport from Nellie Pockett. Dwarf. 10c each; 60c per ten.
- 8/10 **D. B. Crane.**—(*New 1912*) Deep golden yellow, slightly streaked with red, petals recurving at tips. Makes a flower of largest size and finest form. Dwarf. 25c each; \$2.00 per ten.
- 8/15 **Christy Mathewson.**—(*Introduced by us 1912.*) A Japanese of largest size, eight inches in diameter and six and one-half inches deep. In early development it shows an eye, but continues to produce more petals day by day until the center is filled. Pure white. Strong, wiry stem. Semi-dwarf. 25c each; \$2.00 per ten.
- 8/20 **Chrysanthemiste Montigny.**—A large Japanese incurved; light sulphur yellow. Tall. 10c each; 60c per ten.
- 8/10 **Countess of Granard.**—(*New 1912.*) Rich yellow, a huge flower of first quality. Partakes of F. S. Vallis, but superior. Good habits, stem and foliage. Tall. 25c each; \$2.00 per ten.
- 8/25 **Dakoma.**—(*Introduced by us 1907.*) A fine exhibition bronze, of large size and beautiful form. Dwarf. 15c each; \$1.20 per ten.
- 8/10 **Earnest G. Mocatto.**—(*New 1912.*) An immense flower of the F. S. Vallis type, but a much richer yellow. Stem and foliage perfect. Dwarf. 25c each; \$2.00 per ten.
- 8/20 **Fidelity.**—(*Introduced by us 1905.*) Beautiful pure white Japanese; very artistic, closely incurved. Semi-dwarf. 15c each; \$1.20 per ten.
- 8/30 **F. E. Nash.**—Japanese, light pink, large in size, but, like many other pinks, inclined to be unstaple in color, especially on early buds. Dwarf. 15c each; \$1.20 per ten.
- 8/10 **F. S. Vallis.**—A very large yellow, desirable for collections on short stems. Semi-dwarf. 10c each; 60c per ten.
- 8/25 **Gen. Hutton.**—Large Japanese, yellow with bronze shadings. Tall. 10c each; 60c per ten.
- 8/15 **Geo. J. Bruzard.**—Wine red, broad florets. One of the largest for collections. Semi-dwarf. 15c each; \$1.20 per ten.
- 8/20 **Glen Cove.**—(*Introduced by us 1911.*) Japanese, light lavender pink; few pinks excel this variety in size, and its sturdy stem admits of staging without supports. Semi-dwarf. 15c each; \$1.20 per ten.
- 8/30 **Glenview.**—The large Japanese blooms are dark bronze, sometimes showing a little of the Indian red lining. Is also a good commercial bronze, giving double flowers from late buds. Semi-dwarf. 10c each; 60c per ten.
- Golden Age.**—(*Introduced by us 1904.*) Brightest yellow, excellent for specimen plants, and is becoming more popular each year for this purpose. 10c each; 60c per ten.
- 9/5 **Harry E. Converse.**—Considered from every aspect we believe this is the best of the Wells-Pockett set for 1911. Growth vigorous, clean foliage, large blooms, petals crimson with golden bronze reverse, which is the predominating color. Semi-dwarf. 25c each; \$2.00 per ten.

Owing to the increasing demand we have provided a large stock of the most popular standard kinds. Under these conditions we hope to be able to supply our patrons promptly with plants and cuttings of the highest quality.



Artistic Queen



Ben Wells



Christy Mathewson



Chrysanthemiste Montigny



F. E. Nash



Geo. J. Bruzard



Glen Cove



Harry E. Converse



Kitty Lawrence



Lady Carmichael



Mary Donegan

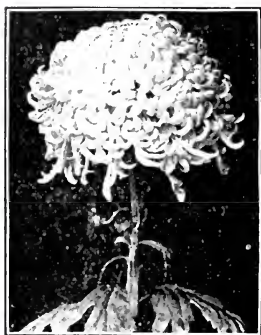


Manhattan

Best Bud

- S/25 **Howard Gould.**—Inside of petals bright golden chestnut. Reverse, pure deep gold. Dwarf. 15c each; \$1.20 per ten.
- S/5 **Hon. Mrs. Lopes.**—Very large yellow, but, like many of the importations, an early bud is important to secure double flowers. Dwarf. 10c each; 60c per ten.
- S/30 **Jennie.**—(New 1912.) A white Japanese seedling between A. T. Miller and Wm. Duckham. Perfect stem and foliage; good grower. 20c each; \$1.75 per ten.
- S/10 **J. Lock.**—Bright yellow streaked red, broad and long florets, blooms extra large. Dwarf. 25c each; \$2.00 per ten.
- S/5 **J. W. Molyneux.**—A large bright crimson of a pure tone; one of the finest yet introduced. Dwarf. 15c each; \$1.20 per ten.
- S/20 **Kitty Lawrence.**—A delicate fawn color; long petals which curl and interlace, forming a very attractive bloom. Tall. 10c each; 60c per ten.
- S/15 **Lady Carmichael.**—Center petals incurved, while outer ones are long and reflex. Color, pure white. Semi-dwarf. 25c each; \$2.00 per ten.
- S/25 **Lady Hopetoun.**—Light pink; a large fine-formed bloom. Dwarf. 10c each; 60c per ten.
- S/25 **Lanona.**—(Introduced by us 1906.) Pure white, center tinted rose; Japanese incurved, good for early exhibitions. Dwarf. 10c each; 60c per ten.
- S/15 **Lenox.**—(Introduced by us 1911.) The largest yellow known; in fact, there are but a few in our large collection that equal it in size. Beautiful loosely incurved, and a bright, pleasing shade of yellow; many of our blooms are 9 in. in diameter and 7½ in. in depth, unexcelled for exhibitions. Semi-dwarf. 10c each; \$1.20 per ten.
- S/10 **Leslie Morrison.**—Rosy crimson, with broad, thick florets. Its dark green foliage makes it very attractive. Semi-dwarf. 10c each; 60c per ten.
- S/5 **Manhattan.**—(Introduced by us 1912.) In size, a companion for Lenox; color, delicate blush or flesh, which illuminates beautifully under artificial light. Semi-dwarf. 25c each; \$2.00 per ten.
- S/15 **Mary Donellan.**—An exquisite Japanese incurved; broad petals of great substance, brightest yellow with reverse of the same shade. Tall. 10c each; 60c per ten.
- S/30 **Mary Farnsworth.**—Color, a pleasing shade of apricot, outer petals reflex and center incurve. Semi-dwarf. 15c each; \$1.20 per ten.
- S/15 **Mary Mason.**—Rosy bronze, with lighter reverse; outer petals reflex, while the center ones incurve, showing the reverse. Dwarf. 10c each; 60c per ten.
- S/15 **Marquis Visconti Venosta.**—Beautiful bright pink Japanese incurved; fine for exhibitions. Semi-dwarf. 10c each; 60c per ten.
- S/20 **Merza.**—(Introduced by us 1898.) A fine white for exhibitions; inclined to wilt unless cut into the green wood and placed in water for a few days. Dwarf. 10c each; 60c per ten.
- S/10 **Morristown.**—(Introduced by us 1911.) Unsurpassed in size by any pink; long reflexing outer petals with incurved center. When seen at its best it outranks any pink we know of. Semi-dwarf. 15c each; \$1.20 per ten.
- S/15 **M. Loiseau-Rousseau.**—Large incurving pink in two tones of color; fine stem and foliage. Exceedingly large and bold; should be in every collection. Tall. 10c each; 60c per ten.
- S/15 **Miss Clay Frick.**—White sport from Wm. Duckham, possessing the same good qualities. Free to grow and easy to manage. Dwarf. 10c each; 60c per ten.
- S/25 **Miss Mariam Hankey.**—Mauve pink Japanese incurved; is inclined to come late. Semi-dwarf. 10c each; 60c per ten.
- S/10 **Miss May Seddon.**—A large Japanese of purest white. Flat spreading flower; plant early for best result. Dwarf. 10c each; 60c per ten.
- S/5 **Mme. R. O'Berthur.**—Large blooms, pure white, reflexing gracefully and hooking at tips. Tall. 10c each; 60c per ten.
- S/10 **Mrs. Geo. W. Burke.**—(New 1912.) A fine bronzy yellow; stem and foliage all that could be desired; comes good from any bud and is in perfection for the earlier shows. Dwarf. 50c each; \$4.00 per ten.
- S/10 **Mrs. Gilbert Drabble.**—(New 1912.) This variety conforms in every way to the American ideal; stem rigid, foliage well up to the bloom, and is of the largest size. Purest white in color, and the petals are arranged in a whorl, rendering it most attractive. Dwarf. 50c each; \$4.00 per ten.
- S/15 **Mrs. Wm. Duckham.**—Large Japanese reflexed. One of the best exhibition yellows. Dwarf. 10c each; 60c per ten.
- S/10 **Mrs. Peter Duff.**—(New 1912.) This is an improved Mrs. J. Dunne. Color, old rose shading to cerise; stem and foliage perfect. Semi-dwarf. 50c each; \$4.00 per ten.
- S/15 **Mrs. J. E. Dunne.**—Salmon terra cotta Japanese, good color and very effective. Tall. 10c each; 60c per ten.
- S/15 **Mrs. Robert D. Foote.**—(New 1912.) A bloom of large size; every petal reflexes. Color, a magnificent mahogany crimson; stem and foliage good. Dwarf. 50c each; \$4.00 per ten.
- S/10 **Mrs. A. M. Henshaw.**—(New 1912.) A fine incurved white. Stem and foliage perfect. Semi-dwarf. 50c each; \$4.00 per ten.
- S/10 **Mrs. Geo. Hunt.**—Large, soft yellow Japanese incurved. A grand exhibition variety of robust growth. Dwarf. 10c each; 60c per ten.
- S/20 **Mrs. O. H. Kahn.**—A fine bronze; should not be overlooked by commercial growers. Dwarf. 10c each; 60c per ten.
- S/20 **Mrs. G. C. Kelly.**—This variety is quite similar in color to Geo. W. Pook; rosy cerise, reverse old rose; hence might be termed a magnified Pook. In other respects is a great improvement; easy to grow, with fine stem and foliage. Dwarf. 20c each; \$1.75 per ten.
- S/20 **Mrs. J. A. Miller.**—A large, high-built Japanese; reddish bronze. Semi-dwarf. 10c each; 60c per ten.

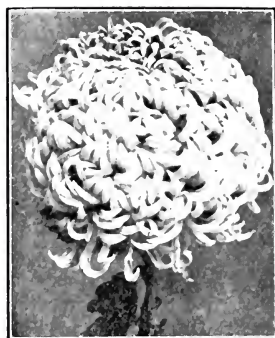
Chrysanthemums have been our specialty for many years. We are glad to give advice as to best varieties or cultural instructions to those who require same.



Lady Hopetoun



Lenox



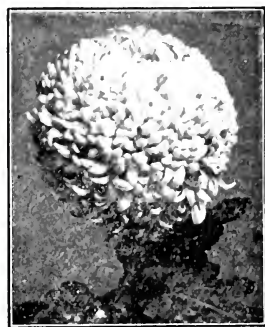
M. Loiseau Rousseau



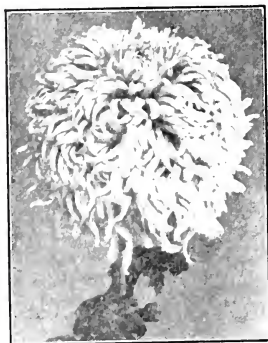
Merza



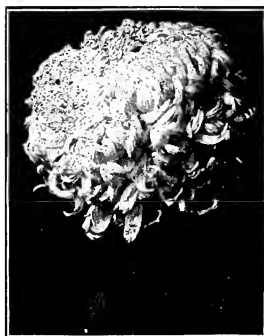
Morristown



Mrs. O. H. Kahn



Mrs. C. H. Totty



Mrs. George Hunt



Mrs. J. Wells



Mrs. G. C. Kelley



Mrs. H. Stevens



Mrs. J. C. Neill

Best Bud

- S/15 **Mrs. J. C. Neill.**—A soft canary yellow; fine incurved form; of easy cultivation and one of the best Semi-dwarf. 10c each; 60c per ten.
- S/15 **Mrs. H. Stevens.**—A large golden bronze, fine form and perfect finish. Dwarf. 15c each; \$1.20 per ten.
- S/15 **Mrs. David Syme.**—The purest white and of the largest size Dwarf. 15c each; \$1.20 per ten.
- S/25 **Mrs. Chas. H. Totty.**—Very large, of a beautiful shade of light pink. Semi-dwarf. 10c each; 60c per ten.
- S/25 **Mrs. Harry Turner.**—(*New 1912.*) A lovely crimson, showing a color as deep as the old Black Hawk, with a flower of good size. Stem and foliage perfect. Semi-dwarf. 50c each; \$4.00 per ten.
- S/25 **Mrs. J. Wells.**—Rosy purple. A beautifully formed flower of the reflexed class. Excellent stem and foliage. Dwarf. 15c each; \$1.20 per ten.
- S/15 **Naceur Bey.**—Yellow, with distinct stripes of red. Japanese, with slightly irregular but incurving form. Tall. 10c each; 60c per ten.
- S/20 **Naomah.**—(*Introduced by us 1910.*) One of the best varieties of recent introduction. Its pure white, perfect incurved blooms on long stems give it first place in class calling for 25 or more white. Tall. 10c each; 60c per ten.
- S/10 **Nellie Pockett.**—Irregular incurved Japanese, narrow twisted petals, creamy white, first bud. Dwarf. 10c each; 60c per ten.
- S/25 **Ongawa.**—(*Introduced by us 1907.*) Color, golden amber; easy to grow, fine stem and foliage. Dwarf. 15c each; \$1.20 per ten.
- S/20 **O. H. Broomhead.**—A large bloom, with long broad reflexing petals; color, rose pink. Dwarf. 15c each; \$1.20 per ten.
- S/10 **Pockett's Crimson.**—Crimson with gold at tips of petals, which stand out, showing the color to good advantage. Dwarf. 10c each; 60c per ten.
- S/25 **Pockett's Surprise.**—Rosy crimson with cinnamon bronze reverse, long, broad florets. Japanese incurved; foliage heavy and good stem. Semi-dwarf. 10c each; 60c per ten.
- S/15 **Poughkeepsie.**—(*Introduced by us 1911.*) Full exhibition size, in fact, is larger than Merza. White, with slightly creamy cast. Tall. 15c each; \$1.20 per ten.
- S/25 **Reginald Vallis.**—A large Japanese, plum color with lighter reverse. Can be grown to enormous size with excellent finish. Tall. 15c each; \$1.20 per ten.
- S/15 **Rose Pockett.**—Light shade of yellow, with an occasional tint of bronze. The wide petals incurve at the center and the outer ones reflex. Semi-dwarf. 10c each; 60c per ten.
- S/25 **Smith's Sensation.**—(*Introduced by us 1912.*) Its delicate shade of cameo pink is greatly enhanced under artificial light; it is closely incurved and of the largest size. Valuable as a commercial variety, and when so grown the latest buds should be selected to intensify the color. Semi-dwarf. 25c each; \$2.00 per ten.
- S/25 **T. Carrington.**—Growth vigorous, amaranth, large. Owing to its distinct color, is unrivalled for classes calling for any other color than white, pink, yellow, etc. Semi-dwarf. 10c each; 60c per ten.
- S/20 **Tarrytown.**—(*Introduced by us 1911.*) Large light rosy salmon of a pleasing shade; quite similar to that of W. A. Etherington. Petals irregularly arranged. Dwarf. 15c each; \$1.20 per ten.
- S/15 **Wm. Duckham.**—Beautiful light pink Japanese incurved. Owing to its freedom of growth, pleasing color and sturdy stem, is deservedly popular. Dwarf. 10c each; 60c per ten.
- S/10 **Wm. Kleinheinz.**—(*New 1912.*) Chestnut red of large size; large petals and the bloom builds up to the largest size; superior in color to Woodmason. Semi-dwarf. 50c each; \$4.00 per ten.
- W. H. Lincoln.**—Bright yellow. A well known variety and one of the best for specimen plants. 10c each; 60c per ten.
- S/25 **W. M. Moir.**—Is of the purest white and incurved. Requires early bud to produce double blooms. Dwarf. 10c each; 60c per ten.
- S/30 **Wm. Turner.**—A decided incurve of the purest white; fine form and a strong grower with clean foliage. Semi-dwarf. 20c each; \$1.75 per ten.
- S/20 **Wells' Late Pink.**—A very pleasing shade of pink and of the largest size, not late as the name implies. Dwarf. 10c each; 60c per ten.
- S/5 **W. Woodmason.**—The largest red, not as bright in color as many of the crimsons, but its size enhances its value. Dwarf. 25c each; \$2.00 per ten.
- S/20 **Yellow Miller.**—A clear light yellow sport from Mrs. J. A. Miller. Foliage and stem good. Semi-dwarf. 10c each; 60c per ten.

The following we can supply in limited quantity: Harold Wells, Mary Ann Pockett, W. Wells, Pres. Viger, C. J. Salter, Buff Globe, Hamilton.

PRICE.—15c each; \$1.20 per ten.

Additional Varieties

NOTE.—There are a few varieties listed under the Commercial Section which may also be used to advantage at exhibitions, especially when the schedule calls for large vases of twenty-five or more blooms. When grown for this purpose, they should have ample space on the benches and given generous treatment. They are as follows: Chrysolora, Col. D. Appleton, Crocus, Dick Witterstaetter, Dolly Dimple, Dr. Enguehard, Golden Eagle, Golden Wedding, Lynnwood Hall, Mrs. W. E. Kelly, Major Bonaffon, President Roosevelt, President Taft, Roman Gold, Tim Eaton, Yellow Eaton, Adonis, Chadwick Improved, Golden Chadwick, Thanksgiving Queen.

Owing to the increasing demand we have provided a large stock of the most popular of the standard kinds. Under these conditions we hope to be able to supply our patrons promptly, with plants and cuttings of the highest quality.



Naceur Bey



Naomah



O. H. Broomhead



Pockett's Crimson



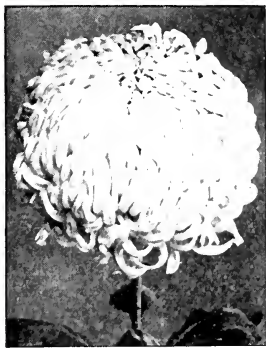
Poughkeepsie



Reginald Vallis



Rose Pockett



Smith's Sensation



Tarrytown



Wm. Turner



Wells' Late Pink



Yellow Miller

Hairy Varieties

These curious and unique flowers, with their petals covered with frost-like hairs, are always of great interest to visitors. They should be represented in all collections where friends or the public have access. They are not adapted to commercial use, and not of sufficient size to become prominent features on the show table, unless the schedule provides for this specific type.

PRICE.—10c each; 60c per ten.

QUANTITY.—Not less than 5 OF A KIND at ten.

Arvede Barine.—Beautiful lavender pink, very heavily plumed, 15c each; \$1.20 per ten.

Beauty of Truro.—A purplish bronze sport from Louis Boehmer.

Frison d'Or.—An incurved bloom of reddish bronze, with markings of yellow.

L'Enfant des deux Mondes.—Pure white sport from Louis Boehmer.

R. M. Grey.—Terra cotta, one of the most distinct and best.

White Swan.—A closely incurved pure white flower, very heavily plumed.



Anemones

The Anemone flowers consist of one or more rows of flat or tubular ray florets, with shorter quilled or tubular disc florets of the same or a distinct color, are being grown in sprays for artistic floral arrangements. For specimen blooms those marked "large flowering" are best and resort to disbudding to increase the size.

PRICE.—10c each; 60c per ten; \$4.00 per hundred, unless otherwise quoted.

QUANTITY.—Not less than 5 OF A KIND at ten, 25 at hundred rate.

Alpine Glow.—Large white flower with a glow of pink; very beautiful.

Ada Sweet.—Silvery pink, medium size flower, petals mostly quilled; fine for pots.

Beatrice Asmus.—Beautiful pure white petals, flat and substantial.

Bessie Flight.—Bright rose pink, center full. A sport from Mme. Montels.

Garza.—Purest white with yellow center, medium size, rays broad.

Gertrude Wilson.—Medium sized flower, yellow, one row of flat petals, large deep yellow center.

Hans Griesser.—Pink, quilled petals, center yellow and bronze; profuse bloomer.

Lida Thomas.—Small flower, white, two rows of flat petals, center delicate yellow.

Mary Colladay.—(Nov 1912.) A seedling of Garza, with habit of parent; in color, a rich rosy lavender pink. Extremely free and of excellent keeping qualities. 15c each; \$1.20 per ten; \$10.00 per hundred.

Miss Katherine Simmons.—Soft pink, one row of quilled petals loosely arranged; yellow center.

Mrs. August Knab.—Creamy white with large honey-combed center.

Miss Ida Kroeschell.—Light yellow, quilled petals loosely arranged; large center of deeper yellow.

Satisfactio.—Chrome yellow, suffused old gold; center florets long, trumpet shaped.

Surprise.—Pink, very large and good.

Vayenne.—Rays dark mauve, disc very perfect in form, of a lighter shade, free and robust.

Smith's Chrysanthemum Manual leads to success. Price 50c Postpaid. See Page 26.



Pompons

Pompons are becoming more popular year by year, being especially desirable for pot plants, and lend a distinctive grace and beauty to floral decorations of all kinds.

PRICE.—5c each; 40c per ten; \$3.00 per hundred, unless otherwise quoted.

QUANTITY.—Not less than 5 OF A KIND at ten, 25 at hundred rate.

Alma.—(*Introduced by us 1907.*) A very free-growing, large-flowered variety; clear, soft lavender pink.

Baby.—Clear bright yellow; very late.

Baby Marguerite.—A pure white sport from Baby.

Clorinda.—(*Introduced by us 1910.*) Semi-dwarf, producing erect sprays of an even shade of bronze. One of the best for specimen plants.

Diana.—A fine pure white.

Fairy Queen.—(*New 1912.*) A delightful deep Enchantress color, of medium size, round and full; elegant foliage and a good keeper. 15c each; \$1.20 per ten; \$10.00 per hundred.

Helen Newberry.—(*New 1912.*) The new late white Pompon, just as good and a little better than the popular variety Diana, which it follows for Thanksgiving and up to Christmas. 15c each; \$1.20 per ten; \$10.00 per hundred.

Iva.—(*Introduced by us 1908.*) Pure amber; flmbriated petals, medium size.

Julie Lagravere.—Deep red; best of its color. Late.

Kent.—(*Introduced by us 1908.*) Dwarf; pure yellow; early.

King of Plumes.—Golden yellow; petals deeply notched; very good. 15c each; \$1.20 per ten; \$10.00 per hundred.

Klondike.—Brilliant yellow, compact blooms of medium size.

La Purite.—A beautiful pure white.

Lodi.—(*Introduced by us 1907.*) Large clear yellow; cupped petals; very double.

Lula.—Pure snow white of medium size. Late.

Minta.—(*Introduced by us 1911.*) A very free flowering light pink, unsurpassed by any of this color. This variety is very reluctant in making cuttings, and for this reason we do not guarantee delivery before March 1st. Owing to its upright growth is one of the best for specimen plants. 15c each; \$1.20 per ten; \$10.00 per hundred.

Nio.—(*Introduced by us 1907.*) Soft pink and white at center.

Quinola.—Clear orange yellow; excellent form and good size.

Skibo.—(*Introduced by us 1905.*) Golden chamois; flowers small.

Utan.—(*Introduced by us 1902.*) Light magenta, edged white.

White Jitsu-jetui.—Purest white; has wonderful substance; petals thick and heavy and rolled like cord, with tightly incurved center. 15c each; \$1.20 per ten; \$10.00 per hundred.

Zenobia.—Bright, clear yellow. Early.

— As usual we lead in the production of bona-fide Novelties. We were awarded more Certificates by the Chrysanthemum Society of America than all other interests combined.



Singles

This section comprises the best varieties for cut sprays and are also useful for specimen plants. Those listed below we consider best and have specified same.

PRICE.—10c each; 60c per ten; \$4.00 per hundred unless otherwise quoted.

QUANTITY.—Not less than 5 OF A KIND at ten, 25 at hundred rate.

Anna.—(*Introduced by us 1909.*) Pure white; belongs to the true single section, having but one row of petals. Fine for pot plants.

Arlee.—(*Introduced by us 1910.*) A rich golden amber of dwarf growth, excellent either as a pot plant or for cutting. Large flowering.

Bishop Henninghaus.—Petals tubular, opening at the extremities. Red; tubes deep cream.

Catherine Livingstone.—A pleasing shade of lavender pink, strong growth, producing fine sprays. Large.

Clea.—(*Introduced by us 1912.*) Growth upright, forming large sprays of a delicate shade of light pink. 15c each; \$1.20 per ten; \$10.00 per hundred.

E. Nottell.—Delicate primrose, round flower, fine for pot plants. 15c each; \$1.20 per ten; \$10.00 per hundred.

Emma L. Davis.—A fine yellow, good stiff stem; an improved Pretoria. 15c each; \$1.20 per ten; \$10.00 per hundred.

Felicity.—A large creamy white, excellent for all purposes. 15c each; \$1.20 per ten; \$10.00 per hundred.

Hilda Wells.—Beautiful Tuscan red with a light yellow tinting at base of petals.

Itaska.—(*Introduced by us 1910.*) The incurving petals give the flowers the appearance of pond lilies, and are a most pleasing shade of pink.

J. T. Angus.—Rosy cerise; very fine late variety.

Katie Covell.—Maroon; stiff erect petals.

Lady Lu.—Purest white; good for all purposes.

Ladysmith.—Early pink; useful for bush plants.

Lillie Godfrey.—Medium size, soft rosy lavender.

Little Barbee.—Clear canary yellow, exceptionally large sprays of medium sized flowers. This we consider the best yellow either for cutting or pot culture.

Merstham Jewel.—Terra cotta, with golden points and center.

Minnesota.—A very striking blood red, 2 1/4 in. across, long slender stem; best red for general use.

Miss Dorothy Deneen.—Silvery pink; very prolific bloomer; petals half way quilled.

Miss Ella Uihlein.—Pink, quilled petals, medium sized flower, on long slender stem.

Mrs. Alice Brownson Huston.—Daybreak pink, quilled in center; very fine.

Pretoria.—Deep yellow, green center; very strong grower. 15c each; \$1.20 per ten; \$10.00 per hundred.

Peter Pan.—Golden bronze, of a pleasing shade and very free flowering.

Red Light.—(*Introduced by us 1911.*) The best single red of the large flowering section.

Rob Roy.—Very light blush on white ground.

Sylvia Slade.—Rosy garnet with white ring around disc, distinct and good; one of the best.

We have devoted Page 28 to cultural instructions. Those interested in this subject will be benefitted by referring to these condensed notes.

Hardy Varieties

Many Chrysanthemums are hardy as far as the plant is concerned, but are of little value for flowering out of doors, as their buds are blackened by frost. The varieties offered below generally flower from the last of August to the 15th of October.

ORDERS FOR THESE VARIETIES WILL NOT BE DELIVERED UNTIL APRIL OR LATER.

PRICE.—15c each; \$1.20 per ten.

QUANTITY.—Not less than 5 OF A KIND at ten rate.

Cactus.—Fiery terra cotta, shape of a small cactus, very free and effective.

Carrie.—Deep yellow; a beauty.

Champagne.—Bright ruby red; wonderfully colored.

Champ d'Or.—Canary yellow; very bushy habit.

Eden.—Bright rose; a beauty disbudded.

Hermine.—A pure white, reflexed.

Lady Mary Hope.—White, slightly shaded blush; good habit.

Le Pactole.—Bronzy yellow; large flower, strong grower.

Mireille.—A light pink, reflexed.

October Gold.—Old gold; produces long sprays for bunching.

Tapis de Neige.—Pure white, flat flowers in great profusion; earliest of all.

Chrysanthemums for Special Purposes

SPECIMEN PLANTS

Where large specimens are required, they should be started in January or February. Medium sized plants can be produced from cuttings struck in March, and for those who desire to grow small sizes for market trade, this work may be continued until the middle of June. The frequent stopping or nipping the ends of the growth to produce symmetrical plants of required size, is the most important function. Later in the season the providing of suitable supports and tying the plants thereto will require attention. Herewith we append a list of varieties most suitable for this purpose, and have divided them into two sections, those which may be grown to considerable height and diameter, and such as are naturally dwarf and compact.

Large Specimens

Golden Age
Wm. Duckham
Crocus

T. Carrington
Patty
Elise Papworth

Miss Clay Frick
Dr. Enguehard
Glenview

Geo. W. Childs
Chrysolora
Ongawa

Small Specimens

Pink Ivory
President Roosevelt
Comoleta

Garza
Ivory
Donatello

Pink Gem
Golden Eagle
Emberta

Dick Witterstaetter
August Dasse
Mlle. Arlette Dubois

Singles

Anna
Minnesota
Arlee

E. Nottell
Catherine Livingstone
Ladysmith

Peter Pan
Katie Covell
Itaska

Lady Lu
Little Barbee
Rob Roy

COMMERCIAL VARIETIES

The varieties best suited for the Florist appear under the heading of Commercial Section, page 10, and have appended a few from the Exhibition Section, which may, under favorable conditions, be used for this purpose. See note, page 14.

EXHIBITION VARIETIES

Those best suited for the Exhibition appear on page 15. To these we have appended a few from the Commercial list, which, under generous treatment, may be utilized especially for large vases where long stems are required. See note, page 19.

ALL SAINTS' DAY

Owing to the great demand for flowers on All Saints' Day (November 1st), we are prompted to make a few suggestions to those interested in this event. The varieties which mature late in October are most serviceable, and, in addition to those under Early Commercial Section, the following are well adapted for this purpose: Crocus, Geo. W. Childs, Pink Gem, Ramapo, Mrs. H. Robinson, White Cloud, Ongawa, and President Taft.

ROOTED CUTTINGS

Early

	Per 100	Per 1000		Per 100	Per 1000
Chas. Razer	\$ 2 50	\$20 00	October Frost	\$ 2 50	\$20 00
Chrysolora	4 00	35 00	Pacific Supreme	2 50	20 00
Clementine Touse	2 50	20 00	Pink Ivory	2 50	20 00
Comoleta	2 50	20 00	Polly Rose	2 50	20 00
Donatello	3 00	25 00	Robert Halliday	2 50	20 00
Early Snow	2 50	20 00	Roserie	2 50	20 00
Gloria	2 50	20 00	Smith's Advance	2 50	20 00
Glory of Pacific	2 50	20 00	Unaka	3 00	25 00
Golden Glow	2 50	20 00	Virginia Poehlmann	3 00	25 00
Ivory	2 50	20 00	Yellow October Frost	2 50	20 00
J. K. Shaw	2 50	20 00	Yellow Touse	4 00	35 00
Monrovia	2 50	20 00			

Midseason

	Per 100	Per 1000		Per 100	Per 1000
Col. D. Appleton	\$ 2 50	\$20 00	Major Bonaffon	\$2 50	\$20 00
Crocus	2 50	20 00	Mayor Weaver	2 50	20 00
Dick Witterstaetter	1 00	35 00	Nontero	8 00	70 00
Dr. Enguehard	2 50	20 00	Patty	3 00	25 00
Elise Papworth	3 00	25 00	Pink Gem	8 00	70 00
Emberta	4 00	35 00	Pres. Roosevelt	3 00	25 00
Geo. W. Childs	3 00	25 00	Pres. Taft	3 00	25 00
Glenview	3 00	35 00	Pocket's Crimson	3 00	25 00
Golden Eagle	3 00	25 00	Roman Gold	3 00	25 00
Golden Wedding	3 00	25 00	Smith's Sensation	8 00	70 00
Lynnwood Hall	3 00	35 00	Tim Eaton	3 00	25 00
Manhattan	8 00	70 00	Vivian Morel	2 50	20 00
Mrs. O. H. Kahn	3 00	25 00	White Cloud	2 50	20 00
Mrs. W. E. Kelley	3 00	25 00	Yellow Eaton	3 00	25 00
Mrs. H. Robinson	2 50	20 00			

Late

	Per 100	Per 1000		Per 100	Per 1000
Chadwick Improved	\$ 4 00	\$25 00	Mrs. J. Jones	\$ 2 50	\$20 00
Chadwick Supreme	4 00	35 00	Nagoya	3 00	25 00
December Gem	4 00	35 00	Thanksgiving Queen	4 00	35 00
Golden Chadwick	4 00	35 00	Veneta	2 50	20 00
Harvard	8 00	70 00	White Bonaffon	2 50	20 00
Helen Frick	2 50	20 00	W. H. Chadwick	3 00	35 00
Intensity	3 00	25 00	White Helen Frick	2 50	20 00
John Burton	2 50	20 00	Yanoma	2 50	20 00
Jeanne Nonin	2 50	20 00	Yellow Mrs. Jones	2 50	20 00
Maud Dean	2 50	20 00			

Rooted Cuttings of the Anemones, Pompons and Singles will be furnished as follows:

Those quoted at \$3.00 for plants will be supplied at \$2.50 per hundred.

Those quoted at \$4.00 for plants will be supplied at \$3.50 per hundred.

Those quoted at \$10.00 for plants will be supplied at \$8.00 per hundred.

Novelties and scarce sorts are sold as plants only.

Those desiring Rooted Cuttings of the exhibition varieties will be quoted on receipt of list of requirements.

Express Rates

Plants completely boxed or crated enjoy a special rate. Chrysanthemums grown in 2½ in. pots weigh about ½ pound each, or 300 plants (approximately) will weigh 100 lbs., including the box. Pound rate applies in all cases where the weight is sufficient to make the minimum charge 35c or over, but no shipment is transported for less than 35c for each company handling. From the figures given below it will be seen that:

10 lbs., 30 plants, from Adrian to Denver would cost 44c.

15 lbs., 45 plants, from Adrian to New Orleans would cost 41c.

20 lbs., 60 plants, from Adrian to Boston would cost 35c.

Plant rate on 100 lbs. to Boston, Mass., New York, N. Y.	\$ 1 75 per hundred
Plant rate on 100 lbs. to Philadelphia, Pa., Baltimore, Md., St. Louis, Mo.	1 50 per hundred
Plant rate on 100 lbs. to Denver, Colo.	4 40 per hundred
Plant rate on 100 lbs. to Minneapolis, Minn.	2 50 per hundred
Plant rate on 100 lbs. to Atlanta, Ga., New Orleans, La.	2 75 per hundred
Plant rate on 100 lbs. to Chicago, Ill., Indianapolis, Ind., Cincinnati, Ohio.	1 00 per hundred

Prepaid packages by Express are charged at the rate of 8c per lb. At this rate it is much less than the special plant rate to California and other western states; it is advantageous to those in such localities to have their plants prepaid, provided the value is less than \$10.00, no limit to weight. We are always pleased to do this when unknown parties make remittance to cover same.

Smith's Revised Chrysanthemum Manual

(THIRD EDITION)

By ELMER D. SMITH

Who has made a Specialty of Chrysanthemum Culture for the past Twenty-Five Years

This booklet treats the subject in a concise yet lucid manner, covering the whole work from the care of stock plants to the staging of blooms.

The best work on American Chrysanthemum Culture. Both amateur and florist have been provided with articles for their special needs

ONE HUNDRED AND SIX PAGES

ONLY 50 CENTS, POSTPAID

Aster Seeds Owing to the unfavorable condition for seed growing, we have discontinued offering Aster Seeds this season at least

New Geranium — "SCARLET BEDDER"

The best Double Red, not excepting S. A. Nutt

This is what we said of it in our last spring's catalogue:

"In color it is intermediate between S. A. Nutt and Alphonse Ricard, being brighter or approaching nearer to scarlet than either of the above varieties. The trusses are slightly smaller than those of S. A. Nutt, but in freedom of bloom it surpasses any geranium we have grown. Growth sturdy, similar to that of Ricard."

Price.—\$1.50 per ten; \$12.50 per hundred; \$100 per thousand

Delivery in strict rotation, beginning January 1st

Here Is the Opinion of those who purchased Scarlet Bedder last Spring

Grosse Pointe Farms, Mich., Aug. 29, 1912.

Referring to your inquiry concerning your new geranium—Scarlet bedder. Compared with S. A. Nutt, it is very superior; it blooms more freely and color is much brighter. This being a wet summer here, Nutt has made a very rank growth, while Scarlet Bedder keeps stocky and blooms continuously.

JOHN H. DAVIDSON.

St. Louis, Mo., Aug. 31, 1912.

In reply to your letter of August 27th concerning your new geranium, Scarlet Bedder, Mr. A. Jaenicke, head gardener of the Missouri Botanical garden, has the following statement to make: "The plants you sent us for trial last spring were planted out in our parterre. This kind is an improvement on the old S. A. Nutt, which is of the same color class. The color is more intense and brilliant and the habit of the plant more compact and free flowering than S. A. Nutt. The plants bloom throughout the summer.

JACOB SCHRAMM, Assistant to the Director.

Washington, D. C., Aug. 30, 1912.

The Scarlet Bedder purchased from you last spring is certainly the most prolific bloomer that we ever had. It throws nearly three times as many flowers as S. A. Nutt, and the color is much better. We had to keep the flowers pinched off to get it to make good strong growth. I planted them in my own yard to give it a thorough test, and I am sure it has been the talk of the neighborhood. Even with all the rain we have had it is constantly in bloom, and other Geraniums had all the flowers spoiled and were out of bloom for a week at a time while Scarlet Bedder seemed to open during the night and always have a bloom or two on it. I am sure the people will appreciate it as soon as it is offered. We will take great pleasure in recommending it to our very best customers, and I am sure we are as careful as any to try and sell and recommend only what we are sure to give the best satisfaction. Recommend it to any one on our say so, and if they want any further particulars have them write me and I will give them my candid opinion, which is "The best red Geranium I have ever seen."

J. L. FREEMAN, 612 Thirteenth St., Northwest.

Hartford, Conn., Sept. 2nd, 1912.

In reply to your favor regarding Geranium "Scarlet Bedder", I think it differs from "S. A. Nutt" only in color, being a brighter scarlet, and is more compact in growth. We think it is a distinct and valuable bedding Geranium.

ALEX. CUMMING, JR., Head Gardener. Department of Parks.

Yonkers, N. Y., Sept. 3rd, 1912.

Your Scarlet Bedder Geranium is all that you said about it, very bright in color, very free to bloom. I want to raise all I can get of them, sorry I have not more of the stock. As I want to place them on the market next spring, let me know how much you would let me have 50 stock plants for and oblige.

FRANK CUMMINS.

Portland, Maine, Sept. 9th, 1912.

Replying to your favor of recent date, would say that the Florist with whom we placed the Scarlet Bedder Geranium has replied to our request for his opinion in regard to the geranium as follows: "The S. A. Nutt can not compare with the 'Scarlet Bedder' in any one way. Its freedom of bloom, robust growth and excellent foliage makes it, in my opinion, the very best bedder we have. The color is exquisite."

ALLEN, STERLING & LOTHROP.

Highland Park, Ill. Sept. 11th, 1912.

Of two beds, planted side by side, of S. A. Nutt and Scarlet Bedder, I am thoroughly convinced that the latter is an improvement over the old standby when one considers the freedom of bloom. We haven't anything in geraniums which can beat Scarlet Bedder in every sense of the word, and I look at it as a valuable addition to the few really good ones we have for bedding out.

FRITZ BAIER.

Washington, D. C., September 17th, 1911.

Your letter of recent date in regard to the new geranium, Scarlet Bedder, has been referred to this office for attention. In reply I would say this geranium has done remarkably well with us this season in growth and freedom of bloom. It is the freest blooming variety of any of the semi-doubles we have ever tried out, and the color is good. The variety S. A. Nutt never did well with us and we discarded it several years ago.

E. M. BRYNES, Ass't in charge U. S. Dept. Agriculture.

Rochester, N. Y., Oct. 1st, 1912.

In reply to yours under date of August 27th, regarding geranium sent us two years ago for trial. We think it a good thing. The color is certainly much more brilliant than S. A. Nutt and it blooms very freely. Our opinion is that it is a decided improvement over S. A. Nutt.

JOHN DUNBAR, Ass't Supt. of Parks.

Cultural Directions

The Chrysanthemum, unlike most plants, has its season of active growth, its flowering period, which is followed by inactivity or a short stage of rest. With these facts before us, we should consider these several stages separately.

During the rowing season they enjoy fairly rich soil and abundance of air should be given when grown under glass, a rather generous supply of water, and be kept free of injurious insects at all times.

The past season we have had many inquiries from various localities regarding blooms which did not develop perfectly. The descriptions of the plants, in most instances, indicated too liberal a supply of nutriment, either in the form of manure incorporated in the soil or too frequent or strong applications of liquid fertilizers.

The inexperienced are apt to err in this respect particularly during this stage of active growth, prior to the formation of buds. The more nourishment given, the stronger and more luxuriant the foliage becomes, so that after the buds are selected a continuance of such treatment is in excess of their needs, and the petals just forming are often destroyed or injured. Better results will follow by the use of a moderate amount of fertilizers during the growing season.

When thus grown the plants are not in a pampered condition and are ready to receive nourishment, which through the process of assimilation is taken to the part being constructed (which is the bud), and thus all the energy of such applications is concentrated in the development of the bloom. All applications at this time should be light at first, gradually increasing until the maximum is reached at the time the buds begin to show color. Those who save the old plants for the sake of perpetuating for the next season's use, should (if protected under glass) keep them rather on the dry side and all the light and air possible at all times unless severe weather prevents.

We have endeavored to give the best date for selecting the buds in this vicinity, but these cannot be considered infallible, as climatic conditions have much to do with their development. Cool weather after the buds are selected is most favorable, and there are a few localities where they may be reserved earlier than the dates given; but in the extreme Southern states, or wherever summer weather continues well into the autumn, later buds may be preferable. Each grower should acquire this knowledge by experience.

To guard against fungus diseases, it is advisable to confine the hours of watering, as far as possible, to the early morning so the plants will be fairly dry at night, especially from the middle of August onward.

Early planting increases the strength and vigor of the plants, and should improve the quality of the blooms when all the conditions are equal. Such a course is imperative when early flowers are desired, so that the plants attain sufficient size to permit saving early buds.

Those desiring more explicit instructions should avail themselves of Smith's Chrysanthemum Manual, a description of which will be found on page 26.

Chrysanthemum Collections

To those desiring a large collection of the choicest varieties at greatly reduced rates, we make the following **Special Offers**. We are confident these collections will please the most fastidious, not only in the selection, but quality of stock. In considering these do not overlook the fact that the Novelties included are not merely so-called Novelties, but those approved by the best growers in this country and abroad.

No change made in these collections, and selections of varieties in all cases must be left to us.

No. 1.	Five American Novelties, 1913; 15 Novelties, 1912; 60 best Exhibitions from Exhibition and Commercial Section; 20 Anemone, Pompon, Hairy and Singles (5 of each). 100 plants	\$ 10 00
No. 2.	Five American Novelties, 1913; 10 Novelties, 1912; 35 Exhibition Varieties. 50 plants	5 00
No. 3.	Five American Novelties: 15 Novelties, 1912	3 00
No. 4.	Forty best Exhibition Varieties	3 00
No. 5.	Twenty best Exhibition Varieties	2 00
No. 6.	Twelve best Exhibition Varieties	1 00
No. 7.	Twelve best Varieties Pompons	50
No. 8.	Twelve best Varieties Singles	50
No. 9.	Twelve best Varieties Anemones	50

FERTILENE, the Ideal Plant Food

Unequalled for Producing Lusty Chrysanthemums

A complete Chemical Fertilizer, perfectly soluble and contains the same constituents as those incorporated in manure, supplying proper quantities of nitrogen, potash and phosphoric acid, which are the most important elements conducive to plant life.

Stable manure contains less than 2% while Fertylene contains over 65% actual plant food.

The analysis given by the State Chemist is as follows: Nitrogen, 12.24%; Phosphoric Acid, 27.84%; Potash, 25.9%. Total, 65.98% available plant food.

The advantages of Fertylene over other manures are: It is clean, has no offensive odor, is soluble and thus easily prepared, is immediate and permanent in its effect, so highly concentrated that it is the cheapest, saves time and labor, and gives accurate results.

One-half pound, 20c; prepaid by mail, 30c; One pound 35c; prepaid by mail, 50c.
Ten pounds, \$3.00; Twenty-five pounds, \$6.00; Fifty pounds, \$10.00.

One ounce is sufficient for ten gallons.

FULL DIRECTIONS ACCOMPANY EACH PACKAGE

Prepared and sold only by

ELMER D. SMITH & CO., Adrian, Mich.

New Anemone

(See Page 9)



LAURITA